

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/789,494B
Source: ITWO
Date Processed by STIC: 2-3-05

ENTERED

CRF EDITS Edited by the STIC Systems Branch

Serial Number: 10/789,494B CRF Edit Date: 2-9-05
Edited by: ZL

Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

Corrected the SEQ ID NO. Sequence numbers edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Deleted: invalid beginning/end-of-file text ; page numbers

Inserted mandatory headings/numeric identifiers, specifically:

Moved responses to same line as heading/numeric identifier, specifically:

Other:

Corrected AMINO Acid
Numbering in seq ID II/4.



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/789,494B

DATE: 02/09/2005

TIME: 17:16:28

Input Set : A:\pto.kd.txt
 Output Set: N:\CRF4\02092005\J789494B.raw

2 <110> APPLICANT: TSUBOUCHI, Kozo
 3 YAMADA, Hiromi
 5 <120> TITLE OF INVENTION: EXTRACTION AND UTILIZATION OF CELL
 6 GROWTH-PROMOTING PEPTIDES FROM SILK PROTEIN
 8 <130> FILE REFERENCE: OPS 635
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/789,494B
 11 <141> CURRENT FILING DATE: 2004-02-27
 13 <150> PRIOR APPLICATION NUMBER: JP 2003-55048
 14 <151> PRIOR FILING DATE: 2003-02-28
 16 <160> NUMBER OF SEQ ID NOS: 85
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 10
 20 <212> TYPE: PRT
 21 <213> ORGANISM: Bombyx mori
 23 <400> SEQUENCE: 1
 24 Val Ile Thr Thr Asp Ser Asp Gly Asn Glu
 25 5 10
 27 <210> SEQ ID NO: 2
 28 <211> LENGTH: 8
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Bombyx mori
 32 <400> SEQUENCE: 2
 33 Asn Ile Asn Asp Phe Asp Glu Asp
 34 5
 36 <210> SEQ ID NO: 3
 37 <211> LENGTH: 23
 38 <212> TYPE: PRT
 39 <213> ORGANISM: Bombyx mori
 41 <400> SEQUENCE: 3
 42 Ala Ala Ser Ser Val Ser Ser Ala Ser Ser Arg Ser Tyr Asp Tyr Ser Arg Arg Asn Val
 43 5 10 15 20
 44 Arg Lys Asn
 46 <210> SEQ ID NO: 4
 47 <211> LENGTH: 29
 48 <212> TYPE: PRT
 49 <213> ORGANISM: Bombyx mori
 51 <400> SEQUENCE: 4
 52 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala His Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala
 53 5 10 15 20
 54 Trp Ser Ser Glu Ser Asp Phe Gly Thr
 55 25
 57 <210> SEQ ID NO: 5
 58 <211> LENGTH: 12

RAW SEQUENCE LISTING

DATE: 02/09/2005
TIME: 17:16:28

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\02092005\J789494B.raw

59 <212> TYPE: PRT
60 <213> ORGANISM: Antheraea yamamai
62 <400> SEQUENCE: 5
63 Tyr Gly Trp Gly Asp Gly Gly Tyr Gly Ser Asp Ser
64 5 10
66 <210> SEQ ID NO: 6
67 <211> LENGTH: 6
68 <212> TYPE: PRT
69 <213> ORGANISM: Antheraea yamamai
71 <400> SEQUENCE: 6
72 Asp Glu Tyr Val Asp Asn
73 5
75 <210> SEQ ID NO: 7
76 <211> LENGTH: 20
77 <212> TYPE: PRT
78 <213> ORGANISM: Antheraea yamamai
80 <400> SEQUENCE: 7
81 Val Glu Thr Ile Val Leu Glu Glu Asp Pro Tyr Gly His Glu Asp Ile Tyr Glu Glu Asp
82 5 10 15 20
84 <210> SEQ ID NO: 8
85 <211> LENGTH: 13
86 <212> TYPE: PRT
87 <213> ORGANISM: Antheraea yamamai
89 <400> SEQUENCE: 8
90 Asp Asp Gly Phe Val Leu Asp Gly Gly Tyr Asp Ser Glu
91 5 10
93 <210> SEQ ID NO: 9
94 <211> LENGTH: 151
95 <212> TYPE: PRT
96 <213> ORGANISM: Bombyx mori
98 <400> SEQUENCE: 9
99 Met Arg Val Lys Thr Phe Val Ile Leu Cys Cys Ala Leu Gln Tyr Val Ala Tyr Thr Asn
100 5 10 15 20
101 Ala Asn Ile Asn Asp Phe Asp Glu Asp Tyr Phe Gly Ser Asp Val Thr Val Gln Ser Ser
102 25 30 35 40
103 Asn Thr Thr Asp Glu Ile Ile Arg Asp Ala Ser Gly Ala Val Ile Glu Glu Gln Ile Thr
104 45 50 55 60
105 Thr Lys Lys Met Gln Arg Lys Asn Lys Asn His Gly Ile Leu Gly Lys Asn Glu Lys Met
106 65 70 75 80
107 Ile Lys Thr Phe Val Ile Thr Thr Asp Ser Asp Gly Asn Glu Ser Ile Val Glu Glu Asp
108 85 90 95 100
109 Val Leu Met Lys Thr Leu Ser Asp Gly Thr Val Ala Gln Ser Tyr Val Ala Ala Asp Ala
110 105 110 115 120
111 Gly Ala Tyr Ser Gln Ser Gly Pro Tyr Val Ser Asn Ser Gly Tyr Ser Thr His Gln Gly
112 125 130 135 140
113 Tyr Thr Ser Asp Phe Ser Thr Ser Ala Ala Val
114 145 150
116 <210> SEQ ID NO: 10
117 <211> LENGTH: 30

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/789,494B

DATE: 02/09/2005
TIME: 17:16:28

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\02092005\J789494B.raw

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118 <212> TYPE: PRT
119 <213> ORGANISM: Bombyx mori
121 <400> SEQUENCE: 10
122 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala Asn Gly Gly Tyr Ser Arg Ser Asp Gly Tyr
      5           10          15          20
123
124 Glu Tyr Ala Trp Ser Ser Asp Phe Gly Thr
      25           30
125
127 <210> SEQ ID NO: 11
128 <211> LENGTH: 29
129 <212> TYPE: PRT
130 <213> ORGANISM: Bombyx mori
132 <400> SEQUENCE: 11
133 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala His Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala
      5           10          15          20
134
135 Trp Ser Ser Glu Ser Asp Phe Gly Thr
      25
136
138 <210> SEQ ID NO: 12
139 <211> LENGTH: 29
140 <212> TYPE: PRT
141 <213> ORGANISM: Bombyx mori
143 <400> SEQUENCE: 12
144 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala Asn Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala
      5           10          15          20
145
146 Trp Ser Ser Glu Ser Asp Phe Gly Thr
      25
147
149 <210> SEQ ID NO: 13
150 <211> LENGTH: 29
151 <212> TYPE: PRT
152 <213> ORGANISM: Bombyx mori
154 <400> SEQUENCE: 13
155 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala His Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala
      5           10          15          20
156
157 Trp Ser Ser Glu Ser Asp Phe Gly Thr
      25
158
160 <210> SEQ ID NO: 14
161 <211> LENGTH: 29
162 <212> TYPE: PRT
163 <213> ORGANISM: Bombyx mori
165 <400> SEQUENCE: 14
166 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala His Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala
      5           10          15          20
167 1
168 Trp Ser Ser Glu Ser Asp Phe Gly Thr
      25
169
171 <210> SEQ ID NO: 15
172 <211> LENGTH: 29
173 <212> TYPE: PRT
174 <213> ORGANISM: Bombyx mori
176 <400> SEQUENCE: 15
177 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala Asn Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/789,494B

DATE: 02/09/2005
TIME: 17:16:28

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\02092005\J789494B.raw

178	5	10	15	20
179	Trp Ser Ser Glu Ser Asp Phe Gly Thr			
180	25			
182	<210> SEQ ID NO: 16			
183	<211> LENGTH: 29			
184	<212> TYPE: PRT			
185	<213> ORGANISM: Bombyx mori			
187	<400> SEQUENCE: 16			
188	Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala Asn Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala			
189	5 10 15 20			
190	Trp Ser Ser Glu Ser Asp Phe Gly Thr			
191	25			
193	<210> SEQ ID NO: 17			
194	<211> LENGTH: 29			
195	<212> TYPE: PRT			
196	<213> ORGANISM: Bombyx mori			
198	<400> SEQUENCE: 17			
199	Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala Asn Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala			
200	5 10 15 20			
201	Trp Ser Ser Glu Ser Asp Phe Gly Thr			
202	25			
204	<210> SEQ ID NO: 18			
205	<211> LENGTH: 28			
206	<212> TYPE: PRT			
207	<213> ORGANISM: Bombyx mori			
209	<400> SEQUENCE: 18			
210	Gly Ser Ser Gly Phe Gly Pro Tyr Val Asn Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala Trp			
211	5 10 15 20			
212	Ser Ser Glu Ser Asp Phe Gly Thr			
213	25			
215	<210> SEQ ID NO: 19			
216	<211> LENGTH: 29			
217	<212> TYPE: PRT			
218	<213> ORGANISM: Bombyx mori			
220	<400> SEQUENCE: 19			
221	Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala Asn Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala			
222	5 10 15 20			
223	Trp Ser Ser Glu Ser Asp Phe Gly Thr			
224	25			
226	<210> SEQ ID NO: 20			
227	<211> LENGTH: 32			
228	<212> TYPE: PRT			
229	<213> ORGANISM: Bombyx mori			
231	<400> SEQUENCE: 20			
232	Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala Asn Gly Gly Tyr Ser Arg Arg Glu Gly Tyr			
233	5 10 15 20			
234	Glu Tyr Ala Trp Ser Ser Lys Ser Asp Phe Glu Thr			
235	25 30			
237	<210> SEQ ID NO: 21			

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/09/2005
PATENT APPLICATION: US/10/789,494B TIME: 17:16:29

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\02092005\J789494B.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:3; Line(s) 42
Seq#:4; Line(s) 52
Seq#:9; Line(s) 99,101,103,105,107,109,111
Seq#:10; Line(s) 122
Seq#:11; Line(s) 133
Seq#:12; Line(s) 144
Seq#:13; Line(s) 155
Seq#:14; Line(s) 166
Seq#:15; Line(s) 177
Seq#:16; Line(s) 188
Seq#:17; Line(s) 199
Seq#:18; Line(s) 210
Seq#:19; Line(s) 221
Seq#:20; Line(s) 232
Seq#:21; Line(s) 245
Seq#:22; Line(s) 255,257,259,261,263,265,269,271,273,275,277,279
Seq#:23; Line(s) 289,291,293,295,297
Seq#:25; Line(s) 318,320
Seq#:27; Line(s) 340
Seq#:28; Line(s) 351
Seq#:30; Line(s) 370
Seq#:34; Line(s) 407
Seq#:35; Line(s) 417
Seq#:36; Line(s) 427
Seq#:37; Line(s) 437
Seq#:39; Line(s) 456
Seq#:40; Line(s) 466
Seq#:42; Line(s) 486
Seq#:44; Line(s) 505
Seq#:45; Line(s) 515
Seq#:46; Line(s) 525
Seq#:48; Line(s) 544
Seq#:49; Line(s) 554
Seq#:51; Line(s) 573
Seq#:52; Line(s) 583
Seq#:53; Line(s) 593
Seq#:55; Line(s) 612
Seq#:56; Line(s) 623
Seq#:57; Line(s) 634
Seq#:58; Line(s) 644
Seq#:59; Line(s) 654
Seq#:60; Line(s) 664

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/789,494B

DATE: 02/09/2005

TIME: 17:16:29

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\02092005\J789494B.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:912 M:283 W: Missing Blank Line separator, <400> field identifier



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/789,494B

DATE: 02/03/2005
TIME: 08:41:29

Input Set : A:\1-24-05 Corrected Sequence Listing.txt
Output Set: N:\CRF4\02032005\J789494B.raw

2 <110> APPLICANT: TSUBOUCHI, Kozo
 3 YAMADA, Hiromi
 5 <120> TITLE OF INVENTION: EXTRACTION AND UTILIZATION OF CELL
 6 GROWTH-PROMOTING PEPTIDES FROM SILK PROTEIN
 8 <130> FILE REFERENCE: OPS 635
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/789,494B
 11 <141> CURRENT FILING DATE: 2004-02-27
 13 <150> PRIOR APPLICATION NUMBER: JP 2003-55048
 14 <151> PRIOR FILING DATE: 2003-02-28
 16 <160> NUMBER OF SEQ ID NOS: 85

**Does Not Comply
 Corrected Diskette Needed
 (PS.1)**

ERRORED SEQUENCES

160 <210> SEQ ID NO: 14
 161 <211> LENGTH: 29
 162 <212> TYPE: PRT
 163 <213> ORGANISM: Bombyx mori
 165 <400> SEQUENCE: 14
 E--> 166 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala His Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala
 167 | 5 10 15 20
 168 Trp Ser Ser Glu Ser Asp Phe Gly Thr
 169 | 25

/ /

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/03/2005
PATENT APPLICATION: US/10/789,494B TIME: 08:41:30

Input Set : A:\1-24-05 Corrected Sequence Listing.txt
Output Set: N:\CRF4\02032005\J789494B.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:3; Line(s) 42
Seq#:4; Line(s) 52
Seq#:9; Line(s) 99,101,103,105,107,109,111
Seq#:10; Line(s) 122
Seq#:11; Line(s) 133
Seq#:12; Line(s) 144
Seq#:13; Line(s) 155
Seq#:14; Line(s) 166
Seq#:15; Line(s) 177
Seq#:16; Line(s) 188
Seq#:17; Line(s) 199
Seq#:18; Line(s) 210
Seq#:19; Line(s) 221
Seq#:20; Line(s) 232
Seq#:21; Line(s) 245
Seq#:22; Line(s) 255,257,259,261,263,265,269,271,273,275,277,279
Seq#:23; Line(s) 289,291,293,295,297
Seq#:25; Line(s) 318,320
Seq#:27; Line(s) 340
Seq#:28; Line(s) 351
Seq#:30; Line(s) 370
Seq#:34; Line(s) 407
Seq#:35; Line(s) 417
Seq#:36; Line(s) 427
Seq#:37; Line(s) 437
Seq#:39; Line(s) 456
Seq#:40; Line(s) 466
Seq#:42; Line(s) 486
Seq#:44; Line(s) 505
Seq#:45; Line(s) 515
Seq#:46; Line(s) 525
Seq#:48; Line(s) 544
Seq#:49; Line(s) 554
Seq#:51; Line(s) 573
Seq#:52; Line(s) 583
Seq#:53; Line(s) 593
Seq#:55; Line(s) 612
Seq#:56; Line(s) 623
Seq#:57; Line(s) 634
Seq#:58; Line(s) 644
Seq#:59; Line(s) 654
Seq#:60; Line(s) 664

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/789,494B

DATE: 02/03/2005

TIME: 08:41:30

Input Set : A:\1-24-05 Corrected Sequence Listing.txt
Output Set: N:\CRF4\02032005\J789494B.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:167 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:14 ✓